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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/884,879	06/19/2001	Carlo Effenhauser	RDID 0061 US	1730
32842	7590 01/12/2004		EXAMINER	
THE LAW OFFICE OF JILL L. WOODBURN, L.L.C.			FORTUNA, ANA M	
JILL L. WOO 128 SHORE			ART UNIT	PAPER NUMBER
OGDEN DU	NES, IN 46368		1723	
			DATE MAIL ED. 01/12/2007	•

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)		
		09/884,879	EFFENHAUSER ET AL.		
	Office Action Summary	Examiner	Art Unit		
·		Ana M Fortuna	1723		
Period for R	he MAILING DATE of this communication ap eply	pears on the cover sneet with the	correspondence address		
THE MAI - Extension after SIX (- if the peric - if NO peric - Failure to - Any reply	TENED STATUTORY PERIOD FOR REPL LING DATE OF THIS COMMUNICATION. s of time may be available under the provisions of 37 CFR 1. 6) MONTHS from the mailing date of this communication. of for reply specified above is less than thirty (30) days, a report of for reply is specified above, the maximum statutory period reply within the set or extended period for reply will, by statut received by the Office later than three months after the mailing tent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a reply be ti oly within the statutory minimum of thirty (30) da will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONI	mely filed ys will be considered timely. n the mailing date of this communication. ED (35 U.S.C. § 133).		
1)⊠ Re	sponsive to communication(s) filed on 10 (October 2003.			
2a)☐ Thi	s action is FINAL . 2b) This	action is non-final.			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition	of Claims				
5)□ Cla 6)⊠ Cla 7)⊠ Cla	Of the above claim(s) is/are withdra lim(s) is/are allowed. lim(s) <u>1-7,17-21,23,24 and 26-32</u> is/are rejulim(s) <u>8-16,22,25 and 33-43</u> is/are objected lim(s) are subject to restriction and/o	ected. d to.			
Application	Papers				
10)□ The App Rep	e specification is objected to by the Examine drawing(s) filed on is/are: a) according and any not request that any objection to the olacement drawing sheet(s) including the correct oath or declaration is objected to by the E	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	ee 37 CFR 1.85(a). pjected to. See 37 CFR 1.121(d).		
Priority und	er 35 U.S.C. §§ 119 and 120				
a) ☐ A 1.∑ 2. ☐ 3. ☐ * See 13) ☐ Ackn since 37 CI a) ☐ 14) ☐ Ackn	consider the content of the foreign and the content of the priority document of the content of the priority document of the content of the c	ts have been received. Its have been received in Applicate the price of the certified copies not received in the certified copies not receive the priority under 35 U.S.C. § 1190 (rest sentence of the specification of covisional application has been received in the priority under 35 U.S.C. §§ 120 (see prio	ed in this National Stage ed. (e) (to a provisional application) or in an Application Data Sheet. ceived. 0 and/or 121 since a specific		
Attachment(s)		_			
2) Notice of	References Cited (PTO-892) Draftsperson's Patent Drawing Review (PTO-948) n Disclosure Statement(s) (PTO-1449) Paper No(s) <u>8</u>	5) Notice of Informal I	/ (PTO-413) Paper No(s) Patent Application (PTO-152)		

Application/Control Number: 09/884,879

Art Unit: 1723

DETAILED ACTION

- 1. Claims 17-18, 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 17 is unclear as to what is intended. The position of the microdialysis membrane is not understood. The term "past with the transport with the transport liquid or a working liquid is transported by the pump" do not indicated the connection or arrangement between the membrane/sorbent arrangements. Claim 21 is unclear as to the pump system arrangement, the system structure is defined, and he system is claimed base on "the fluid system" and the pump of claim 1. the claim is indefinite as to the elements of the fluid system, which need to be connected to the reservoir and the pump.(of claim 1).
- 2. Claims 19-20 recites the limitation "body fluids" in lines 2 and 3 respectively.

 There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Page 2

Application/Control Number: 09/884,879 Page 3

Art Unit: 1723

4. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 5. Claims 1-7, 19, 23, 24, 26, 27-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fecondini et al (5,045,207)(hereinafter '207). Reference '207 substantially teaches the structure claimed in claim 1, including a chamber, to which a solution enters, and a membrane, which is hydrophilic (column 6, lines 29-68), means for introducing the solution into the chamber or channel, and means for drawing solvent through the membrane, e.g. a sorbent contacting the opposite side of the membrane, and contained in a space or chamber opposite to the first membrane layer (column 2, lines 29-68, column 3, lines 1-22). The elements in the structure claimed are identified in Figs 3-4 and 7, elements 8, 11, 7, 9, 18, 19, 20). The apparatus disclosed in '207 is not described as a pump, or as having the space (permeate space) maintained at a constant vapor pressure of the transport liquid, as claimed in the present invention, however, the structural elements seem to compare to each corresponding elements of claims 1, 3, 4, 5, 6, 7. It would have been obvious to one skilled in the art at the time the invention was made, depending on the transport liquid or feed to the conduit or chamber, and on the operating conditions of the apparatus, to consider the apparatus of describe the apparatus as a pump, and/or to obtain a constant vapor pressure at the

Application/Control Number: 09/884,879 Page 4

Art Unit: 1723

opposite side of the membrane (permeate side), e.g. if the apparatus is used for vapor permeation of a contaminant in a solvent, under perstration conditions, e.g. where the vapor passes through the membrane an is remove by vacuum. Removing the filtrate by vacuum is also disclosed in '207 (column 2, lines 19-22).

Regarding claim 23, the sorbent, and or the membrane covering the total are across the chambers, or housing is shown in the figures, e.g. there is not sorbent and or membrane layers not covered by each other in the described apparatus. As to claim 24, reference '207 discloses disposing a resilient layer between the membrane and the sorbent (element 7), and further also disclose using a supported membrane (column 7, lines 65). Claims 26-33 have been discussed above, as having the same structure of claims 1, 5, 23-24.

Allowable Subject Matter

6. Claims 8-18, 20-22, 25, 33-43 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims. The combination of structural elements as claimed in the above claims is not suggested by the prior art of record.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The additional prior art cited in from 892 show devices

Application/Control Number: 09/884,879 Page 5

Art Unit: 1723

combining membrane adsorbent or sorbent, the membrane in planar or capillary shape, and hydrophilic.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ana M Fortuna whose telephone number is (521) 272-1141. The examiner can normally be reached on 9:30-6:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wanda L. Walker can be reached on (571) 272-1151. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

Ana M Fortuna Primary Examiner Art Unit 1723

AMF December 18, 2003